	Application No.	Applicant(s)	
	10/054,379	ISHIGAMI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Aung S. Moe	2612	
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIG of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate commendation is GHTS. This application is	in this application. If not included nunication will be mailed in due course. THIS	ve
1. This communication is responsive to the preliminary amend	dment filed on 01/22/2002		
2. X The allowed claim(s) is/are 1, 3-5, 7-8 and 24-25 (renumbe	red as 1-8 respectively).		
3. The drawings filed on 29 April 2002 are accepted by the Ex	caminer.		
 4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 	been received. been received in Applicate cuments have been received this communication to file.	ion No. <u>08/996,313</u> . ed in this national stage application from the e a reply complying with the requirements	
 A SUBSTITUTE OATH OR DECLARATION must be submi INFORMAL PATENT APPLICATION (PTO-152) which give 			
6. CORRECTED DRAWINGS (as "replacement sheets") must	t be submitted.		
(a) I including changes required by the Notice of Draftsperson	on's Patent Drawing Revie	w (PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date			
(b) including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment o	or in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the		·	
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 	_ • _ • • • •		
•		~.	
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 □ Nation of I	nformal Patent Application (PTO-152)	
2. Notice of References Cited (F10-692) Provided (F10-692)	<u>—</u>	Summary (PTO-413),	
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08	Paper No	./Mail Date s Amendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner'	s Statement of Reasons for Allowance	
of Biological Material	9.		

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

IN SPECIFICATION

The original Abstract is replaced with the following new Abstract:

-- A charge transfer device having a charge transfer portion in which a plurality of electrode pairs are formed above a transfer channel, with the plurality of electrode pairs commonly wired forming N (where N=2, 3, 4, . . . natural numbers) bits of the charge transfer portion bits so that electrode pairs of each half bit can be independently driven at every N bits, inputting the electrode pairs of each half bit with the same drive pulse to operate it by a two-phase complementary drive in a normal operation, and in an N-time speed operation, inputting the electrode pairs of N bits with N pairs of complementary drive pulses to operate them by a 2N-phase complementary drive. - -.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:

Claims 1, 3, 4-5, 7-8 and 24-25 (renumbered as 1-8) are considered allowable over the prior art of record since prior art of record fails to show or fairly suggest, *inter alia*, a charge transfer device and method having means for commonly wiring the plurality of electrodes pairs, and means for inputting drive pulse to operate in a normal operation and an N-time speed operation; wherein the phases of the reset gate pulse and the pulse applied to the electrode pairs at the last stage of the charge transfer portion to be similar as substantially described and connected in independent claims 1 and 5 respectively.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

- 3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - a. Hirota '192, Hirama '053, Misawa '494, Yoshihara '228, and Harada '915 shown a CCD solid-state imaging device having means for inputting a transfer pulses and the reset pulses respectively.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aung S. Moe whose telephone number is 571-272-7314. The examiner can normally be reached on Mon-Fri (9-5).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wendy Garber can be reached on 571-272-7308. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Aung S. Moe Primary Examiner

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A. Moe April 2, 2005